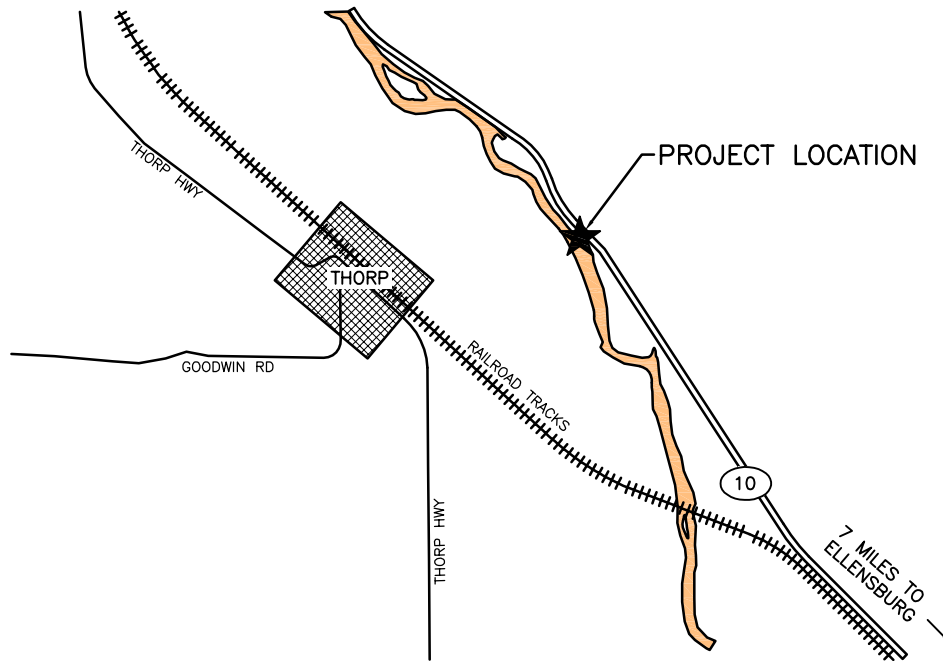


PROJECT LOCATION

STATE MAP
NOT TO SCALE



PROJECT LOCATION

VICINITY MAP
NOT TO SCALE

ENG. PROJECT NO. KS:A682:14-1

PORTION OF: SEC 12, T 18N, R 17E WM

REFERENCE NUMBER:

PROJECT LOCATION (ADDRESS):

PROPOSED PROJECT:

APPLICANT:

WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091

HWY 10 AT MILE POST 101.1

HWY 10 ACCESS DEVELOPMENT

ADJACENT PROPERTY OWNER:

LAT/LONG:

IN: YAKIMA RIVER

NEAR/AT: YAKIMA RIVER

1.

DATUM: NAVD88

COUNTY: KITTITAS

2.

SHEET 1 OF 9

DATE: 12-8-2014

STATE: WA



CP 1
SET 10" GALV. SPIKE
W/ SCRIBED "X"
N: 633616.882
E: 1601133.860
ELEV. 1646.56'
LAT: N 47°04'14.594"
LONG: W 120°39'27.522"

100 YR FLOOD
ELEV. 1630.00

OHMW ELEV.
1627.2

EDGE OF WATER
ELEV. 1625.2

CP 3
SET 10" GALV. SPIKE
W/ SCRIBED "X"
N: 633409.189
E: 1601215.277
ELEV. 1632.17'
LAT: N 47°04'12.545"
LONG: W 120°39'26.340"

CP 2
SET 10" GALV. SPIKE
W/ SCRIBED "X"
N: 633464.055
E: 1601315.454
ELEV. 1645.63'
LAT: N 47°04'13.089"
LONG: W 120°39'24.894"

ROAD
SHOULDER
~ TYP

EDGE OF
ASPHALT
ROAD ~
TYP

200 FT
SHORELINE
BUFFER

HIGHWAY 10

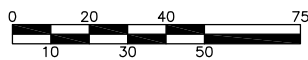
WSDOT RW

EDGE OF
GRAVEL

EDGE OF
VEGETATION

EXISTING SITE PLAN

SCALE: 1" = 50'



SCALE: 1" = 50'

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

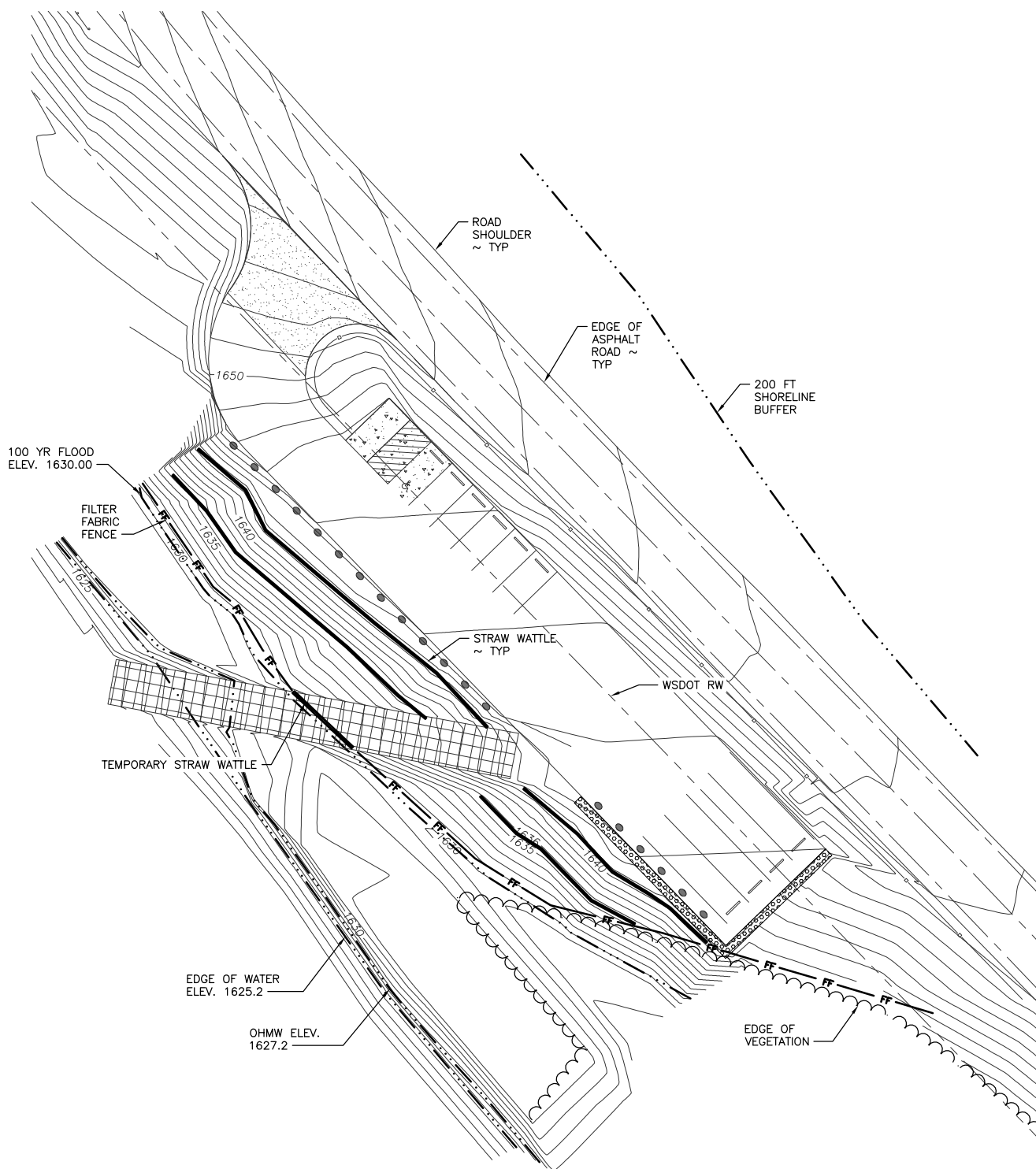
PROPOSED PROJECT:

HWY 10 ACCESS DEVELOPMENT

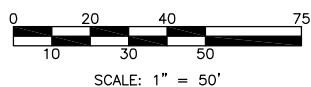
LOCATION: YAKIMA RIVER

SHEET 2 OF 9

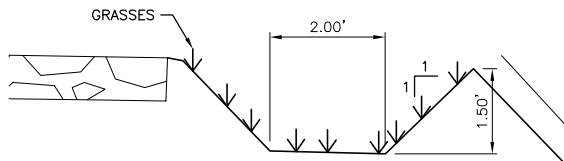
DATE: 12-8-2014



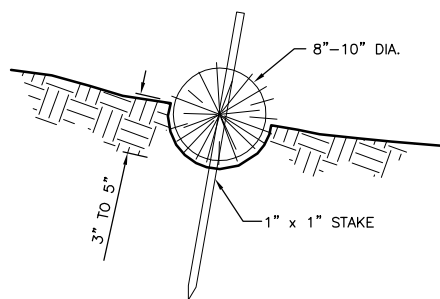
SCALE: 1" = 50'



SHEET 3 OF 9 DATE: 12-8-2014



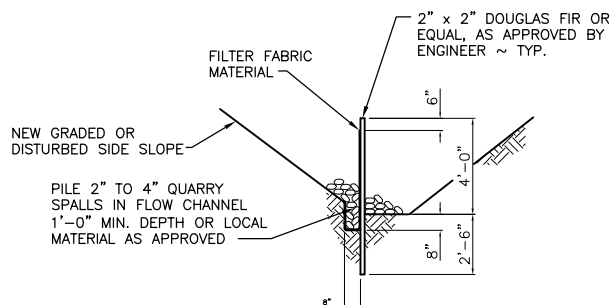
BIOSWALE
NOT TO SCALE



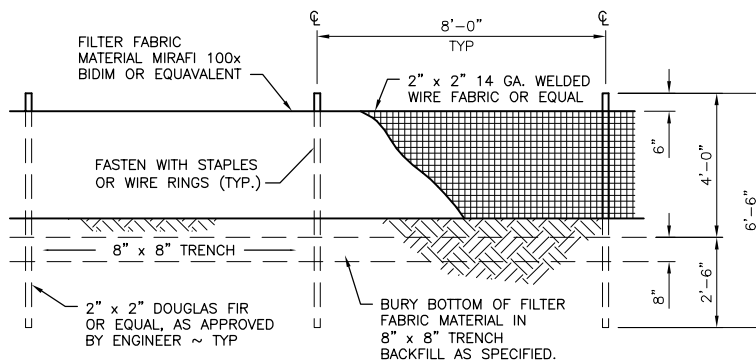
STRAW WATTLE DETAIL
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED.
2. SHALLOW GULLIES SHOULD BE SMOOTHED AS WORK PROGRESSES.
3. DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.
4. IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.
5. START BUILDING TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
6. CONSTRUCT TRENCHES AT CONTOUR INTERVALS OF 3-12 FEET APART DEPENDING ON STEEPNESS OF SLOPE. THE STEEPER THE SLOPE, THE CLOSER TOGETHER THE TRENCHES. 1:1=10' 2:1=20' 3:1=30' 4:1=40'
7. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.
8. USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR WOODEN STAKES.
9. DRIVE THE STAKE THROUGH PREPARED HOLE INTO SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL.
10. IF USING WILLOW STAKES REFER TO LIVE STAKING BEST MANAGEMENT PRACTICES.
11. INSTALL STAKES AT LEAST EVERY 4 FEET APART THROUGH THE WATTLE. ADDITIONAL STAKES MAY BE DRIVEN ON THE DOWNSLOPE SIDE OF THE TRENCHES ON HIGHLY EROSION OR VERY STEEP SLOPES.
12. INSPECT THE STRAW ROLLS AND THE SLOPES AFTER SIGNIFICANT STORMS. MAKE SURE THE ROLLS ARE IN CONTACT WITH THE SOIL.
13. REPAIR ANY RILLS OR GULLYS PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED.



SECTION



FILTER FABRIC FENCE
NOT TO SCALE

FILTER FABRIC NOTES:

1. FILTER FABRIC SHALL BE PURCHASED CONTINUOUS ROLL CUT TO LENGTH OF BARRIER AS NEEDED. IF JOINTS ARE NECESSARY FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MINIMUM OF (6) INCH OVERLAP. BOTH ENDS SHALL BE SECURED AS REQUIRED.
2. FILTER FABRIC SHALL BE INSTALLED TO FOLLOW CONTOURS. FENCE POSTS SHALL BE SPACED A MAXIMUM OF EIGHT (8) FEET APART UNLESS OTHERWISE SHOWN HEREIN. ALL POSTS SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 30 INCHES.
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY EIGHT (8) INCHES WIDE BY EIGHT (8) INCHES DEEP UP SLOPE AND ADJACENT TO THE POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS UTILIZED, A WIRE SINGLE SPACE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE (OR UPSTREAM) SIDE OF THE POSTS USING ONE (1) INCH MINIMUM LENGTH WIRE STAPLES, TIE WIRE OR APPROVED HOG RINGS. ALL WIRE SUPPORT SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR (4) INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE ORIGINAL GRADE.
5. ALL FILTER FABRIC SHALL BE STAPLED OR WIRED TO SUPPORT FENCING AND A MINIMUM OF 20 INCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED OR FASTENED TO EXISTING TREES OR STRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. IF HIGH STRENGTH FILTER FABRIC AND CLOSER SPACING ARE USED, THE WIRE SUPPORT FENCING MAY BE ELIMINATED. HIGH STRENGTH FABRIC SHALL BE STAPLED OR WIRED DIRECTLY TO POSTS AS REQUIRED BY THE ENGINEER.
7. CUTOFF TRENCH SHALL BE BACKFILLED WITH 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL OR OTHER SIMILAR SOURCE AS APPROVED BY THE ENGINEER.
8. FILTER FENCING SHALL BE INSTALLED WHERE SHOWN ON THE PLAN, OR AS MARKED IN THE FIELD BY THE ENGINEER, PRIOR TO COMMENCEMENT OF WORK. ALL FENCING SHALL BE INSPECTED DAILY DURING CONSTRUCTION AND AFTER EACH SIGNIFICANT RAINFALL EVENT UNTIL SITE HAS BEEN PERMANENTLY STABILIZED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. REMOVAL OF TRAPPED SEDIMENT SHALL BE PERFORMED WHEN AMOUNTS REACH APPROXIMATELY 1/3 HEIGHT OF THE FENCE.
10. FILTER FENCING SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN REVEGETATED TO ORIGINAL CONDITION OR DIRECTED BY THE ENGINEER.

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

HWY 10 ACCESS DEVELOPMENT

LOCATION: YAKIMA RIVER

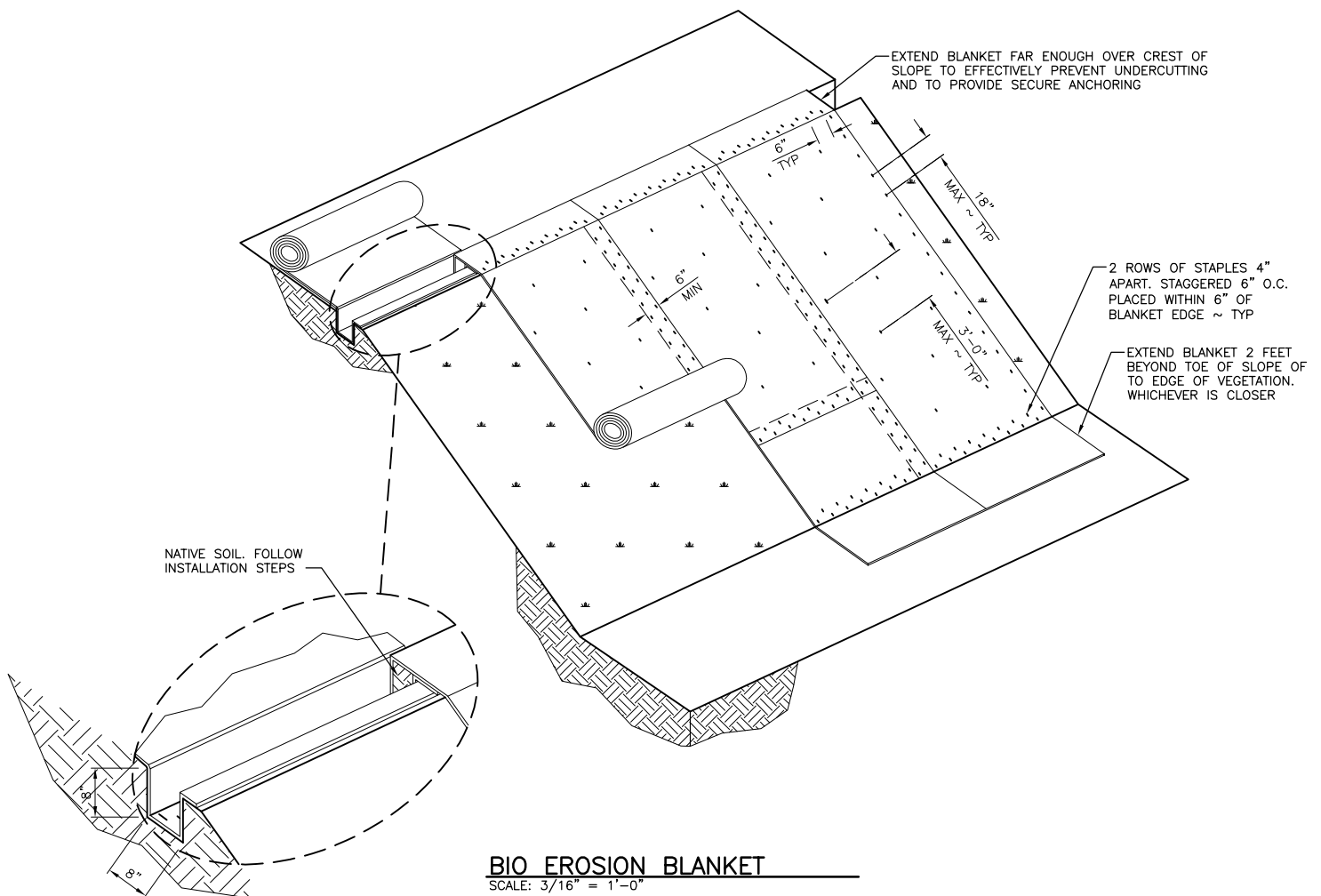
SHEET 4 OF 9 DATE: 12-8-2014

INSTALLATION NOTES:

1. PREPARE SMOOTH SLOPES
2. AMEND SOIL AND SEED, AS SPECIFIED
3. DIG ANCHOR TRENCH, SET ASIDE NATIVE SOIL REMOVED FROM TRENCH
4. SECURE BLANKET IN ANCHOR TRENCH STAKING OR STAPLING BLANKET AS SHOWN
5. REPLACE NATIVE SOIL PREVIOUSLY REMOVED FROM TRENCH
6. ROLL BLANKET DOWN THE SLOPE IN A CONTROLLED MANNER, TAKING CARE TO REMOVE EXCESS SLACK AND TAKING CARE NOT TO STRETCH BLANKET
7. STAKE OR STAPLE BLANKET AS SHOWN SO THERE ARE NO GAPS BETWEEN THE BLANKET AND THE SOIL. STAPLE WHILE UNROLLING BLANKET TO MINIMIZE WALKING ON BLANKET

NOTES:

- A. MORE THAN THE MINIMUM OF ONE FASTENER PER SQUARE YARD MAY BE REQUIRED DUE TO THE CONDITIONS SUCH A BLANKET COMPOSITION, SOIL TYPE, SURFACE UNIFORMITY, AND SLOPE STEEPNESS
- B. SEE WSDOT STANDARD SPECIFICATION 8-01.3(3) AND 9-14.5(2)
- C. USE THE MANUFACTURER'S REQUIREMENTS. WHEN MANUFACTURER'S REQUIREMENTS ARE NOT PROVIDED, USE INSTALLATION REQUIREMENTS SHOWN ON STANDARD PLANS.
- D. ADDITIONAL STAPLES MAY BE REQUIRED ON SLOPES GREATER THAN 3H:1V



REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

HWY 10 ACCESS DEVELOPMENT

LOCATION: YAKIMA RIVER

SHEET 5 OF 9 DATE: 12-8-2014



RAMP CUT AND FILL TABLE			
CUT ABOVE OHW	CUT BELOW OHW	FILL ABOVE OHW	FILL BELOW OHW
80 CY	21 CY	165 CY	12 CY
TOTAL CUT = 101 CY		TOTAL FILL = 177 CY	
NET TOTAL = 76 CY FILL			

PARKING AREA CUT AND FILL TABLE		
CUT	FILL	NET TOTAL
679 CY	756 CY	77 CY FILL

NET TOTAL = 153 CY FILL

CP 1
SET 10" GALV. SPIKE
W/ SCRIBED "X"
N: 633616.882
E: 1601133.860
ELEV. 1646.56'
LAT: N 47°04'14.594"
LONG: W 120°39'27.522"

GUARDRAIL PLACEMENT
WEAK POST INTERSECTION
DESIGN (35' MAX RADIUS)
STANDARD PLAN C-2g.

BEAM GUARDRAIL
ANCHOR TYPE 5

100 YR FLOOD

ARTICULATED
CONCRETE MAT

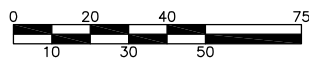
EDGE OF WATER

OHMW

CP 3
SET 10" GALV. SPIKE
W/ SCRIBED "X"
N: 633409.189
E: 1601215.277
ELEV. 1632.17'
LAT: N 47°04'12.545"
LONG: W 120°39'26.340"

NEW SITE PLAN

SCALE: 1" = 50'



SCALE: 1" = 50'

REFERENCE NUMBER:

APPLICANT NAME:

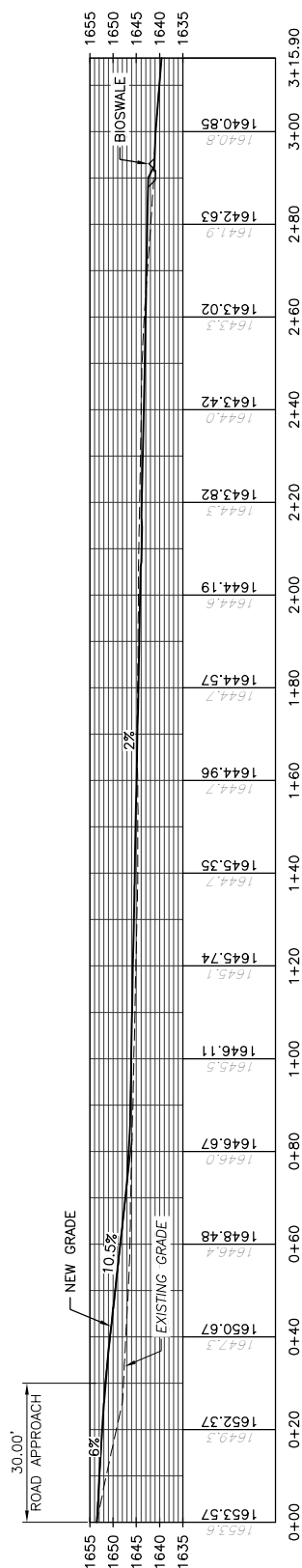
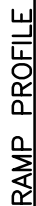
WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

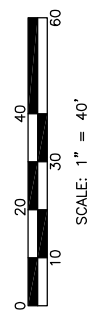
HWY 10 ACCESS DEVELOPMENT

LOCATION: YAKIMA RIVER

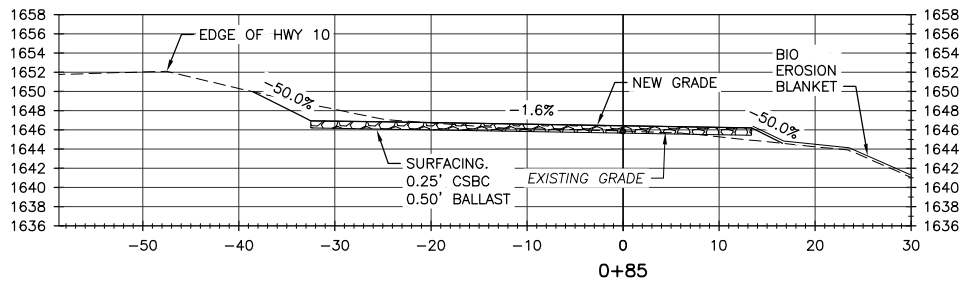
SHEET 6 OF 9 DATE: 12-8-2014



ACCESS ROAD PROFILE

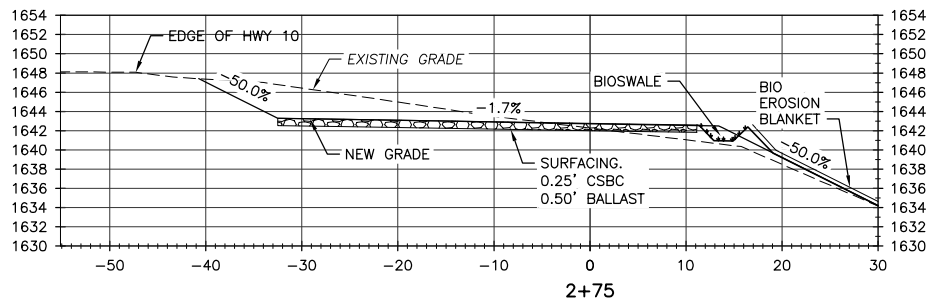
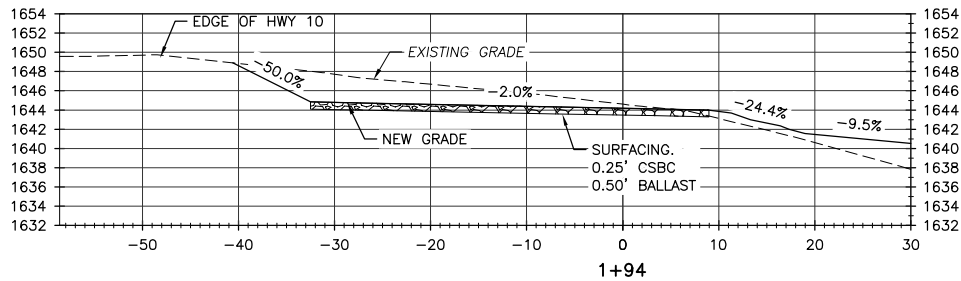
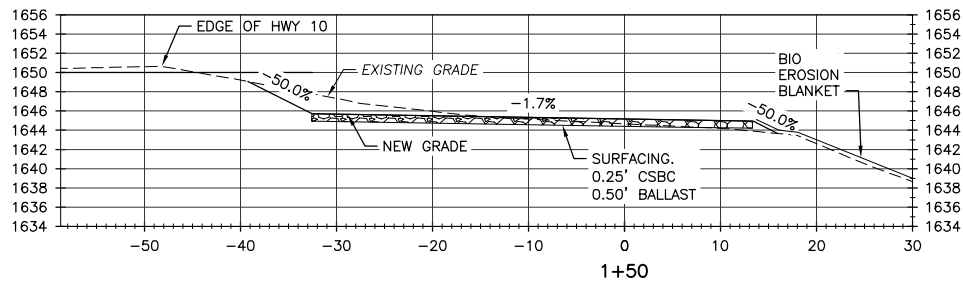


SHEET 7 OF 9 DATE: 12-8-2014



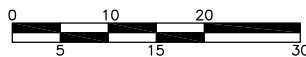
NOTE:

OHW = 1625.2 ±
100 YR = 1630 ±



ACCESS ROAD SECTIONS

SCALE: 1" = 20'



REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

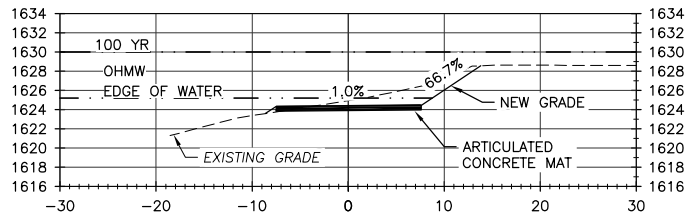
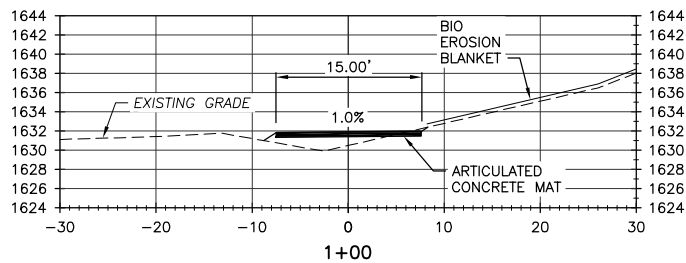
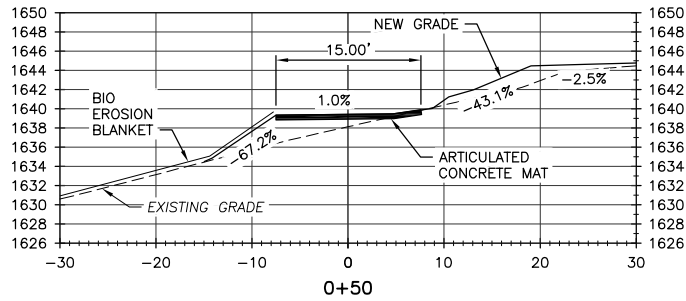
PROPOSED PROJECT:

HWY 10 ACCESS DEVELOPMENT

LOCATION: YAKIMA RIVER

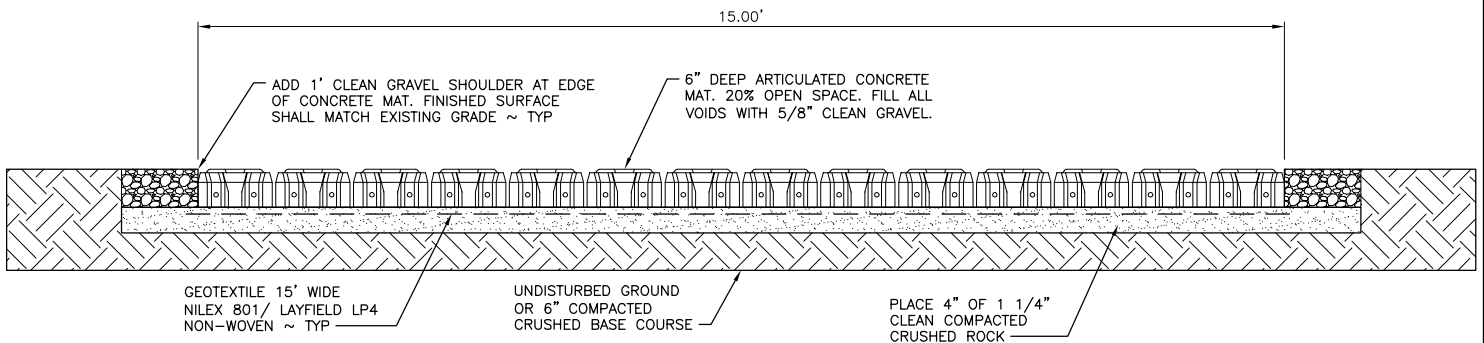
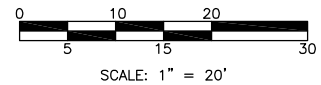
SHEET 8 OF 9

DATE: 12-8-2014



RAMP SECTIONS

SCALE: 1" = 20'



ARTICULATED MAT SECTION

NOT TO SCALE

REFERENCE NUMBER:

APPLICANT NAME:

WASHINGTON DEPT. of FISH & WILDLIFE

PROPOSED PROJECT:

HWY 10 ACCESS DEVELOPMENT

LOCATION: YAKIMA RIVER

SHEET 9 OF 9

DATE: 12-8-2014